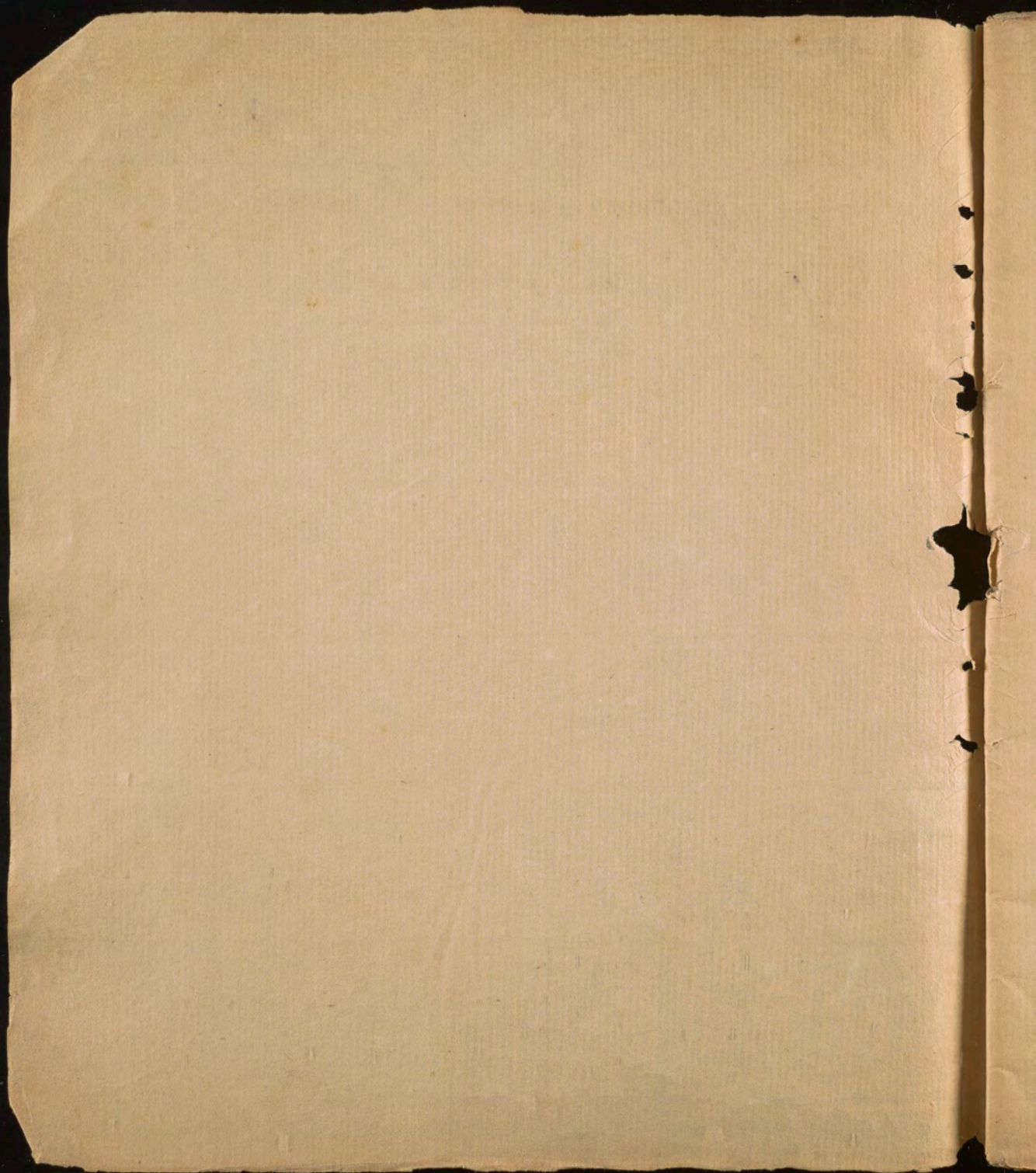


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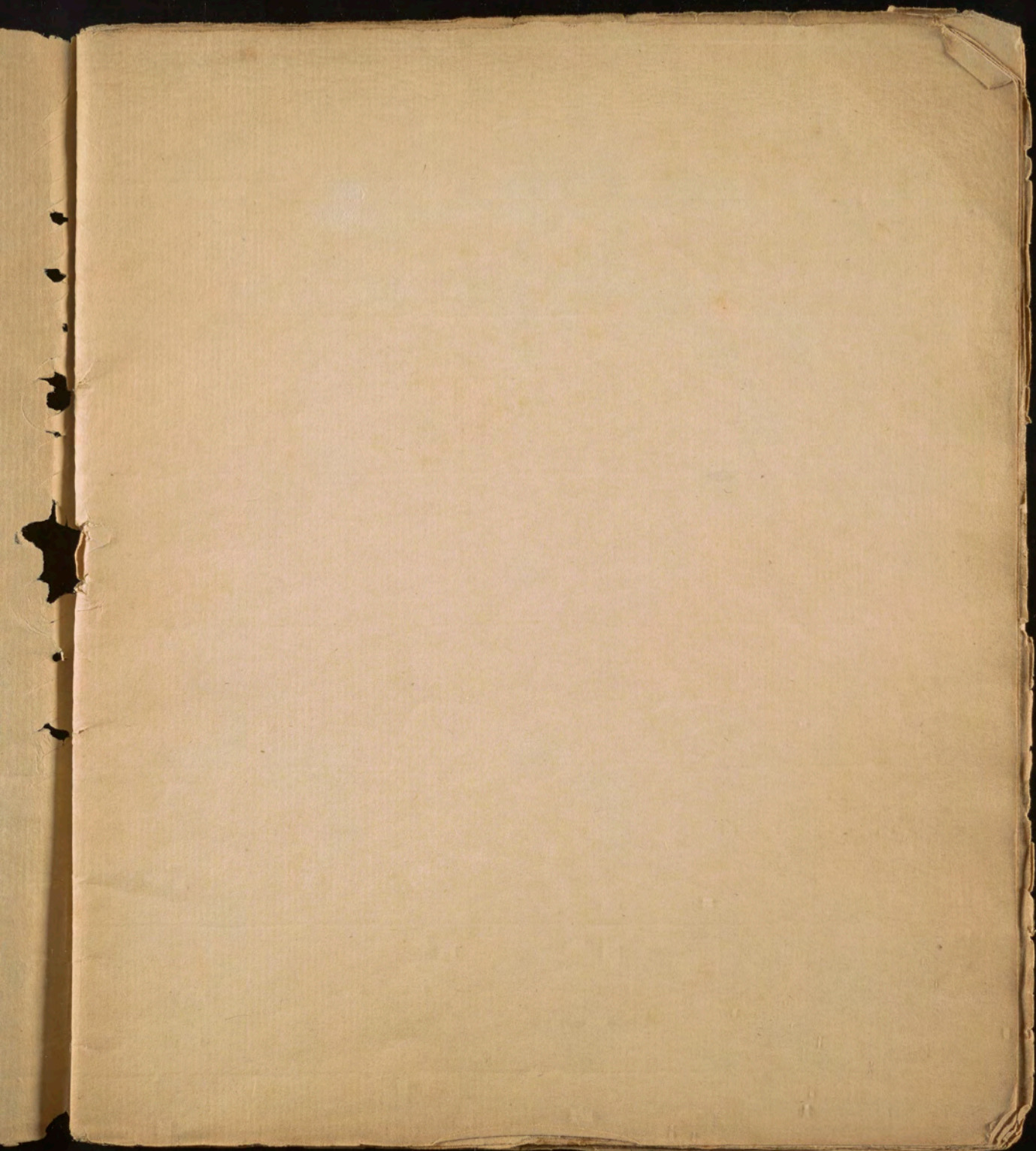
1808.

Introductory lecture on the  
connection of theory with practice.

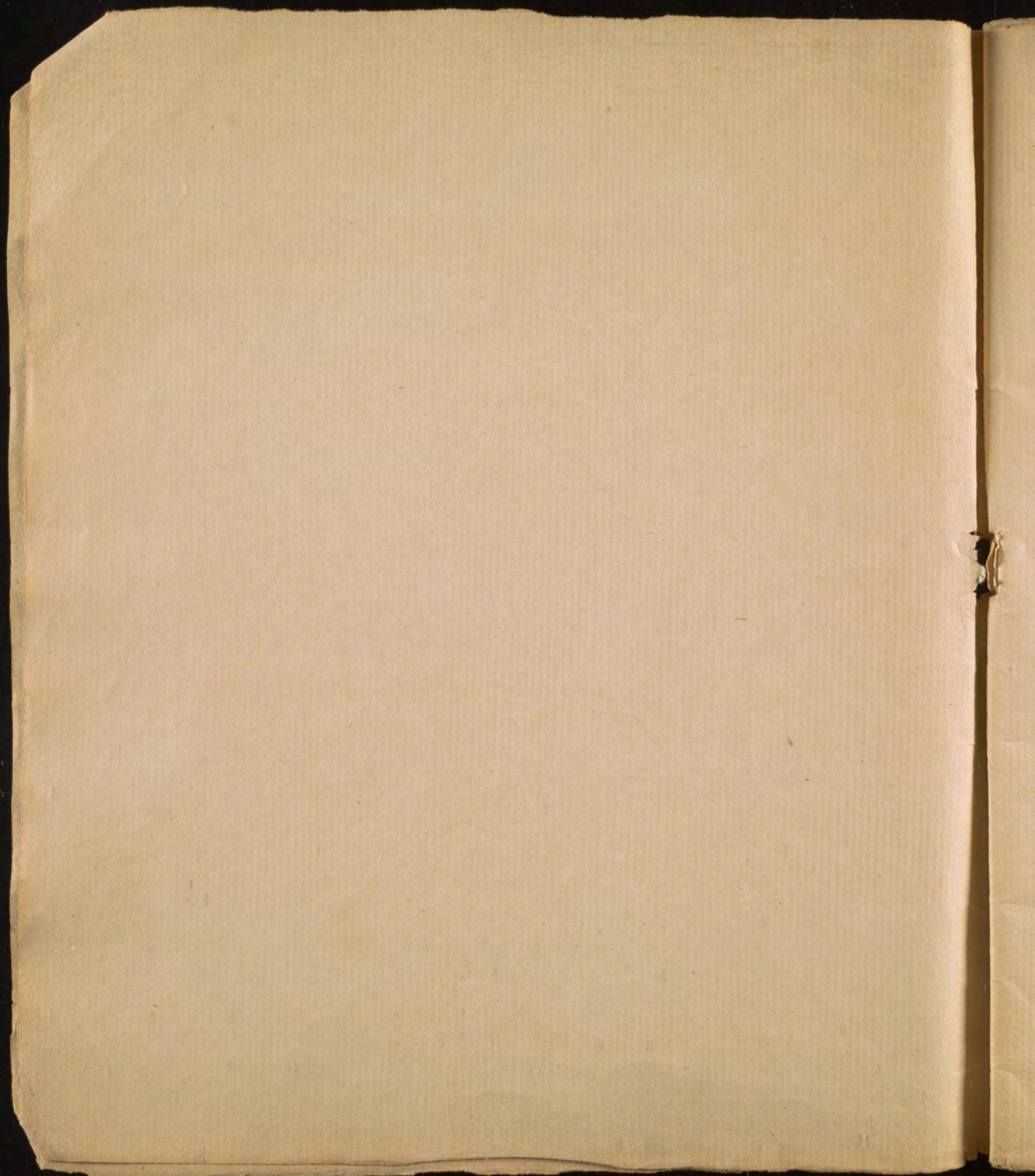




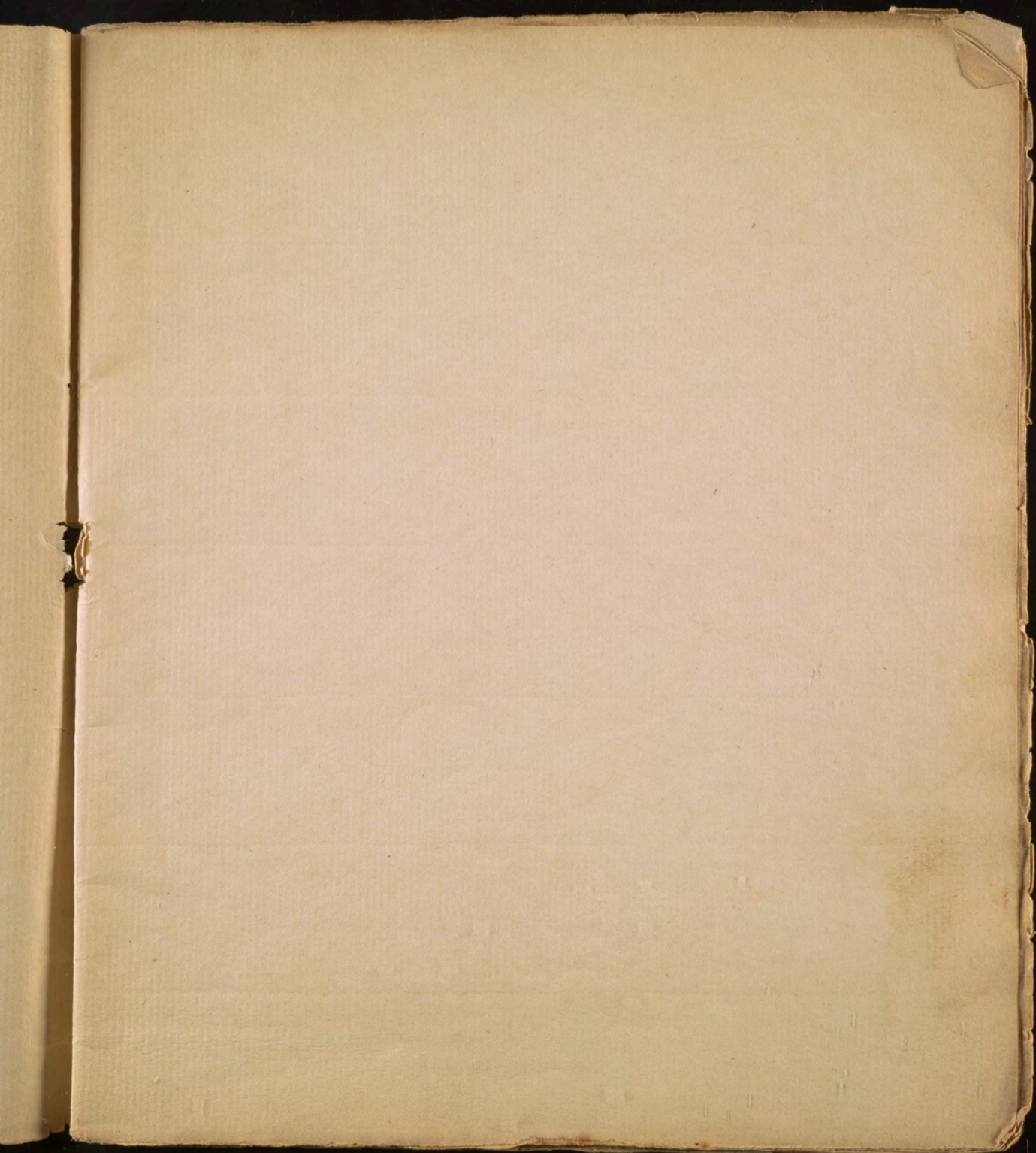




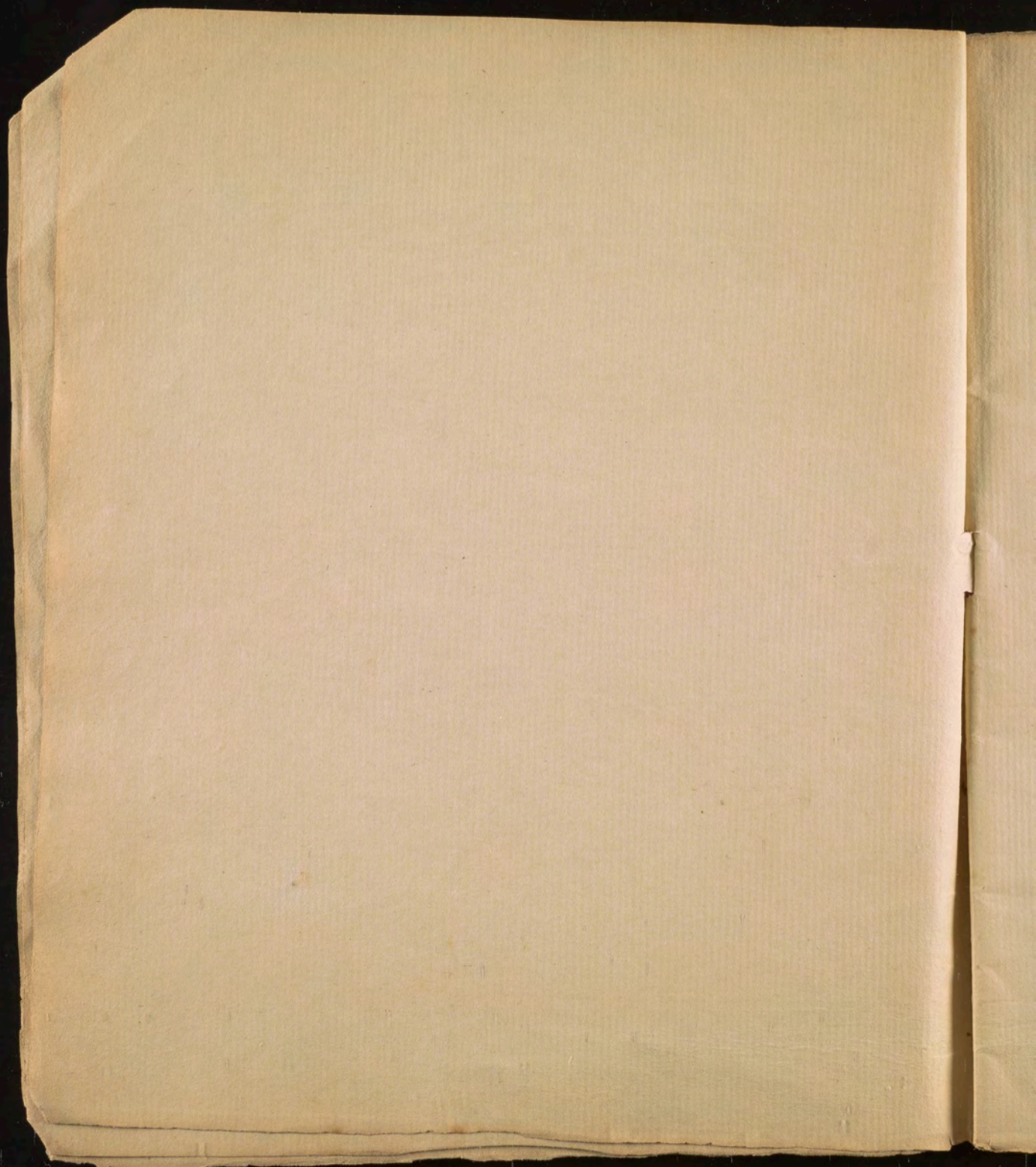




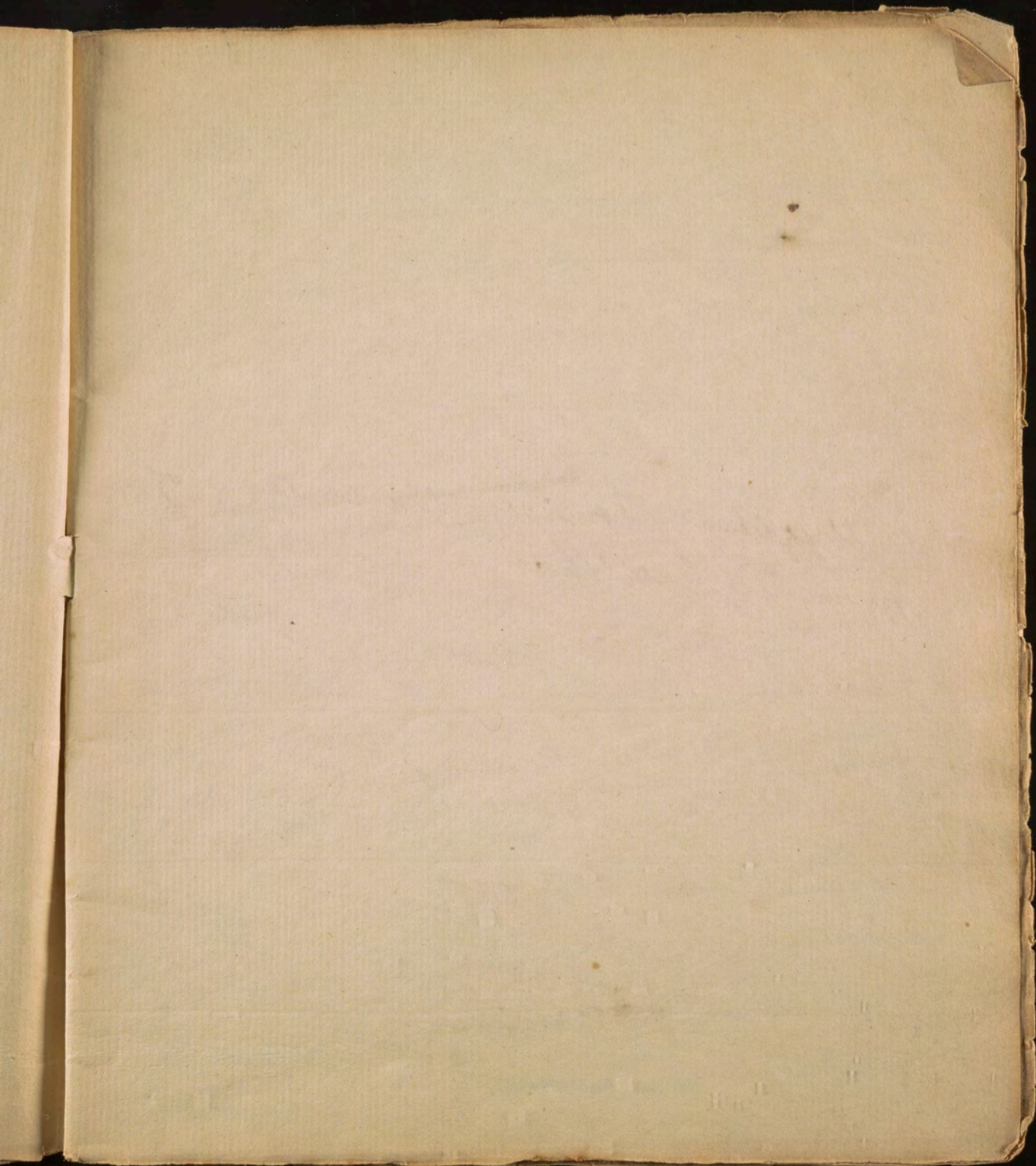














✓ Hygiene considers the means of  
preserving health.



Nov<sup>r</sup> 1803Nov<sup>r</sup> 1806

Gentlemen

~~I said in my introductory lecture,~~  
 my business in this University ~~was~~<sup>is</sup> to teach  
 the Institutes of medicine & the practice  
 of physic.

The former include Physiology, <sup>Hygiene,</sup>  
~~or the art of preserving health~~  
 Pathology & ~~the~~ what are called Therapeutics;  
<sup>a general</sup> ~~or the method of curing disease founded~~

upon a knowledge of this cause provi-  
 -ously explained in the lectures upon  
 Pathology. The latter includes the history of the  
 signs, and of the course of particular diseases.

Physiology considers the functions  
 of the human body in ~~its~~<sup>this</sup> healthy state.

Pathology considers the causes which  
 derange those functions, & thereby induce  
 diseases. Those causes ~~and~~ include all



V lectures upon each of these branches  
of medicine, I shall twice a week deliver <sup>from this Chair</sup>  
~~the~~ remarks upon such cases of Disease  
as occur in the Penns. Hospital. The  
<sup>Different</sup> Subjects of these lectures are divided in  
the Univ: of Wien<sup>2</sup> into three ~~three~~ dis-  
-tinct professorships. I have preferred  
uniting them - 1 because they are con-  
-nected inseparably, ~~Parts~~ and can be  
taught & <sup>intelligible</sup> ~~intelligible~~ only by being taught  
under the direction of the same princi-  
-ples & 2 because I wished to do as much



external & internal impressions which  
 in a modified degree  
 act upon the body, and the changes  
 induced by them in the structure, & actions  
 of the different functions.

Therapeutics <sup>considers</sup> ~~unfolds~~ the Remedies  
 which cure diseases ~~as~~ as unfolded by  
 pathology.

The practice of physic descends to  
 the application of the principles explain-  
 -ed in therapeutics, to the cure of  
 particular diseases. — Besides <sup>giving</sup> ~~define~~ V

For a full acc<sup>t</sup> of all the subjects  
 which are ~~to be~~ included in the above  
 division of our course, I ~~long~~ <sup>shall</sup> ~~have~~ <sup>to</sup>  
 is contained <sup>which will be</sup>  
~~refer you to a syllabus published by~~  
 shortly with a volume of  
 1899 ~~consad~~ <sup>bound up with</sup> ~~the~~ <sup>introductory</sup> lectures delivered by me in



As propable to lessen the expences of  
a medical education in our University,



3 Permit me ~~gentl<sup>y</sup> to recommend~~  
this University. ~~some years ago. These lectures~~  
~~gentl<sup>y</sup> will I hope be useful to you, as~~  
~~to your purpose.~~ They contain many of  
my peculiar opinions ~~in~~ <sup>in</sup> ~~in~~ ~~of~~ ~~the~~  
~~Science~~ <sup>in</sup> of medicine, & they will help  
to render many parts of our Course  
more intelligible to you.

The design of the ~~these lectures~~ <sup>in the first of these</sup> is to show  
introductory lectures  
the connection between theory & practice  
in medicine. After the ~~experience of~~  
~~nearly 15 years in teaching this science,~~  
<sup>above 50</sup>  
and after practice of ~~nearly 60~~ years,  
I ~~can~~ have confirmed all that I have  
said in ~~favor~~ that lecture ~~was~~ in favor of  
the <sup>Union</sup> ~~unity~~ of Observation & reasoning in  
medicine in order to constitute a physician  
or to improve our Science. I know gentl<sup>y</sup>  
I ~~trust~~ <sup>may</sup>

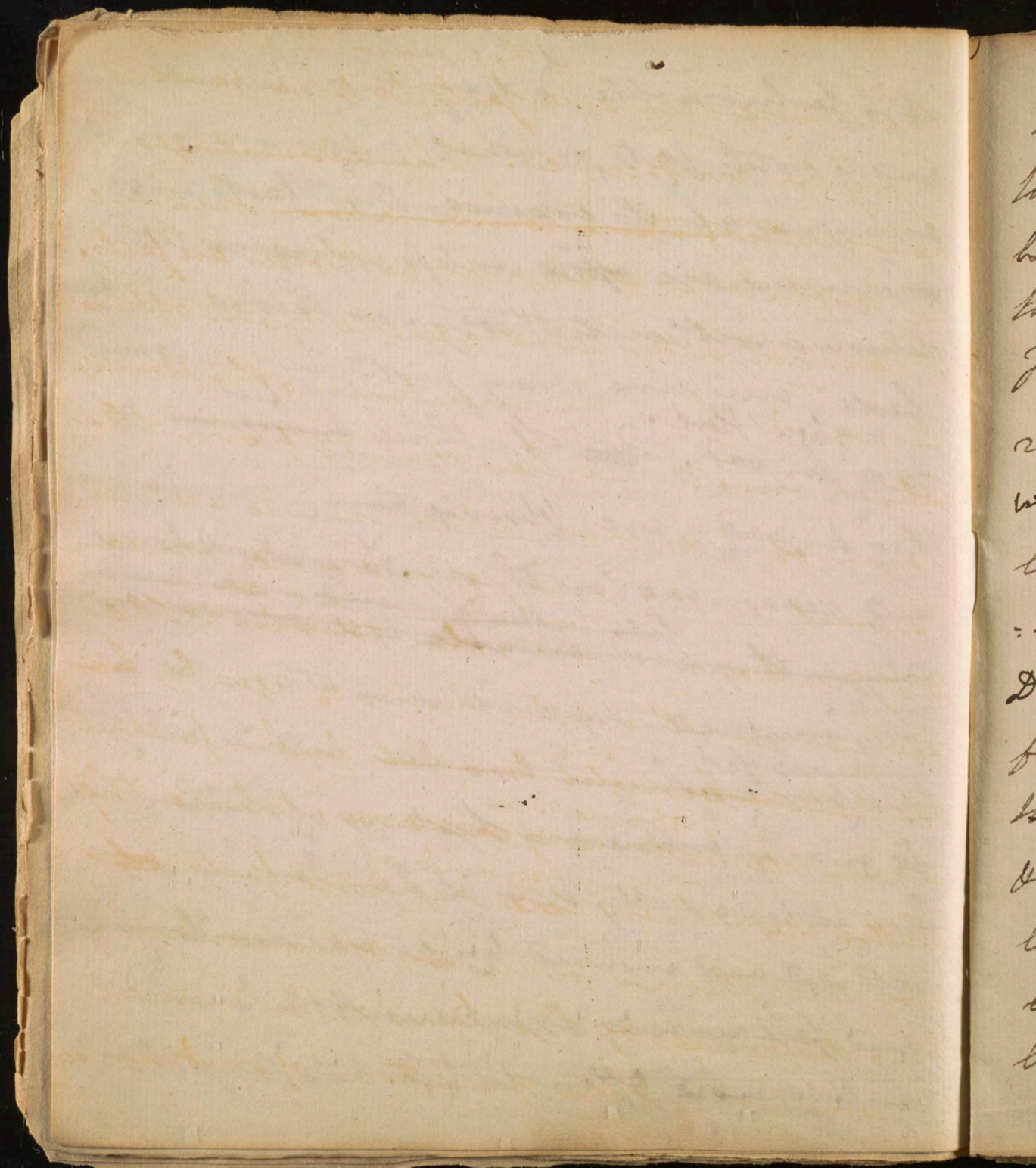


V The Science of medicine cannot stand  
upon any one, nor yet upon any  
two of them. But



4  
it is fashionable to deny theory in medicine,  
and to extol facts, or what is commonly called  
experience at its expense. But facts and  
experience are ~~often~~ <sup>as</sup> rules & frequently  
delusive without theory; as theory is without  
facts. medicine may justly be compared  
to a tripod, <sup>on legs of stool.</sup> ~~the~~ the three <sup>feet</sup> supports of  
this tripod - are Observation - Experiment,  
and reasoning, or theory. ~~in order to~~  
~~alone they are unable to support the~~  
~~united,~~ <sup>fall to the ground.</sup> they mutually support each other. It is  
true <sup>the progress of</sup> our ~~science~~ <sup>science</sup> has been retarded by  
so many erroneous systems of medicine;  
but it is equally true it has been more  
retarded and injured by erroneous Observations,  
and fallacious experiments; & hence Dr.  
Cullen used often to tell his pupils







5 [if the exception be allowed]  
there were ten false facts to one false  
theory in medicine. The Advantages<sup>ch</sup>  
~~have resulted from a combination~~ Facts are  
the touchstones of theories, as theories are <sup>of</sup> facts.  
I cannot better illustrate the truth of this  
remark than by mentioning the Advantages  
which our Science has derived from the  
labors of two men whose names are im-  
mortal in the history of medicine. I mean  
Dr Sydenham, & Mr John Hunter. The  
former overthrew the theories of ages by his  
~~the facts he brought to light~~ by his faithful  
& accurate <sup>observations</sup> ~~histories of diseases~~, while the  
latter overthrew <sup>thousands of</sup> ~~the~~ supposed facts ~~of~~ <sup>by</sup>  
~~by~~ his theories, or in his other words by  
his discoveries of the laws of the animal  
economy, and the operation of medicines



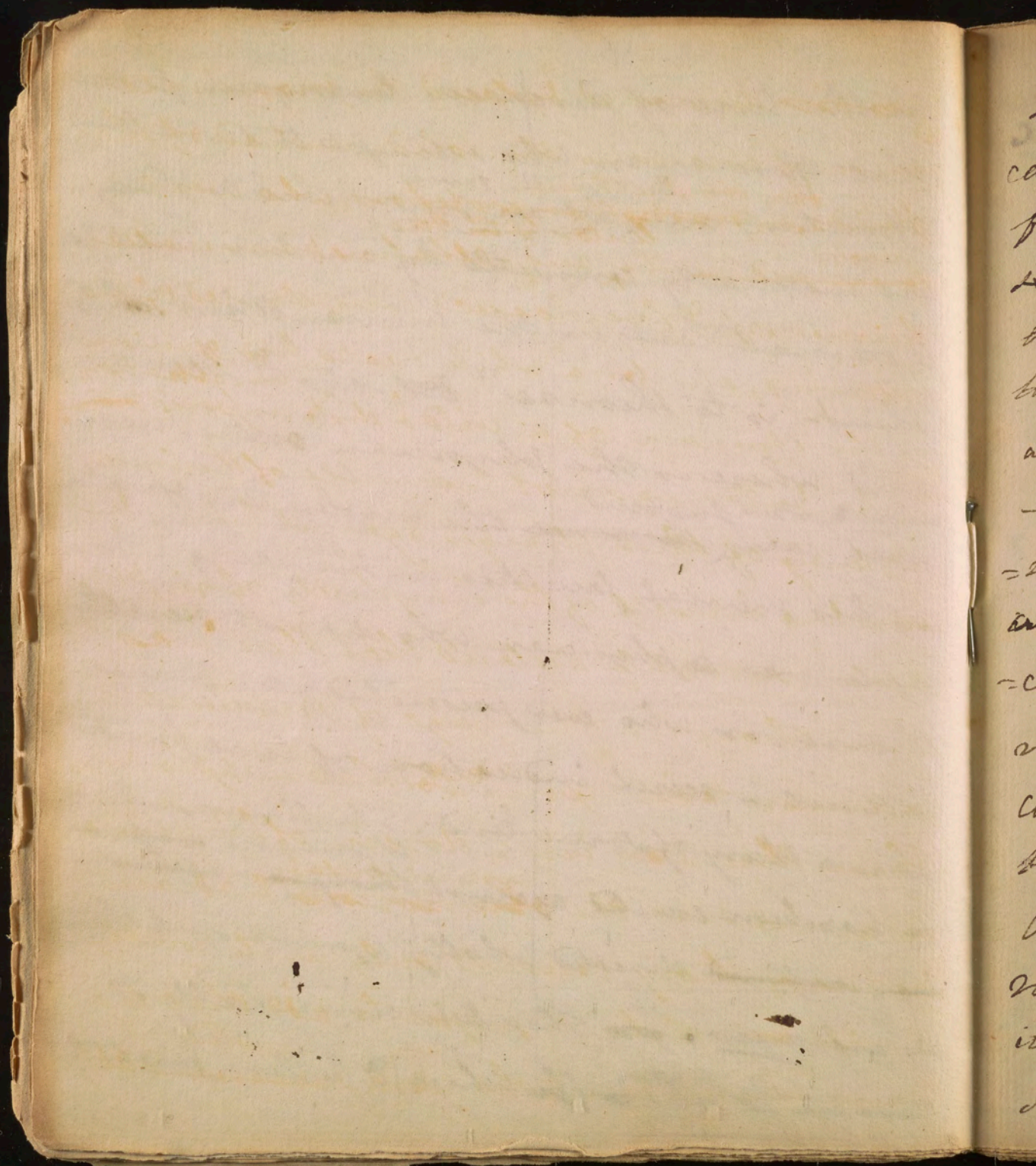
✓ That the late <sup>Infidels</sup> ~~Philosophers~~ have done  
who have attempted to divide morals  
from Religion. Theory & practice



Permit me to add

in the Cure of Diseases. ~~But again~~ further,  
 that those even who attempt to divide theory  
 & practice, aim at <sup>the same</sup> impossibility. ~~They~~  
 are inseparably connected by an immutable  
 & eternal law in the human mind. ~~As to~~  
 "think is to theorise" ~~as~~ says Dr Darwin,  
 and where is the physician or the man  
 whose, or even suspend  
 that can ~~theorise~~ the involuntary operation  
 of his mental faculties in thinking? There  
 never was a physician who did not secretly  
 theorise, or who ever prescribed a medicine  
 without a secret indication of Cure founded  
 upon a theory of some kind. The clamors which  
 have been excited against <sup>theories are confined</sup> ~~theory~~ - ~~against~~  
 are ~~confined~~ directed wholly against such theories  
 as are new, ~~for~~ This was remarkably the  
 case in Edin<sup>2</sup> ~~is the~~ when Dr Cullen first







~~might~~ discovered, & placed the proximate  
 cause of diseases in the solids instead of the  
 fluids. <sup>This his Brethren</sup> ~~his Brethren~~ professors who were  
 devoted to <sup>the</sup> ~~the~~ acid - alkaline & muriatic  
 humors of Dr Boerhaave, complained of his  
 theorizing, and for a while treated his opinions  
 as the effusions of a wild & distempered <sup>imagination,</sup> ~~brain.~~  
 The Doctor was not insensible of the incon-  
 sistency of these charges against him, & de-  
 availing himself of the simplicity of his prin-  
 ciples, publicly declared that there was  
 more theory in one page of Vanswieten's  
 commentaries upon Dr Boerhaave's aphorisms,  
 than there was in a dozen of his lectures.  
 As a proof that the <sup>unpopular</sup> ~~theoretical~~ & odious  
 nature of theory consists only in its novelty,  
 it will ~~be~~ not be improper to add that the  
 same physicians who were <sup>devoted</sup> ~~disappointed~~ at



8  
V In thus adopting Dr Cullen's theories, After  
treating them with contempt & ridicule, they  
resembled The Priest who <sup>saw</sup> ~~met~~ on his way  
to a costly feast a collection of choicest  
and being unwilling to spoil his appetite  
by eating fruit, — upon them. ~~to~~  
the madder.

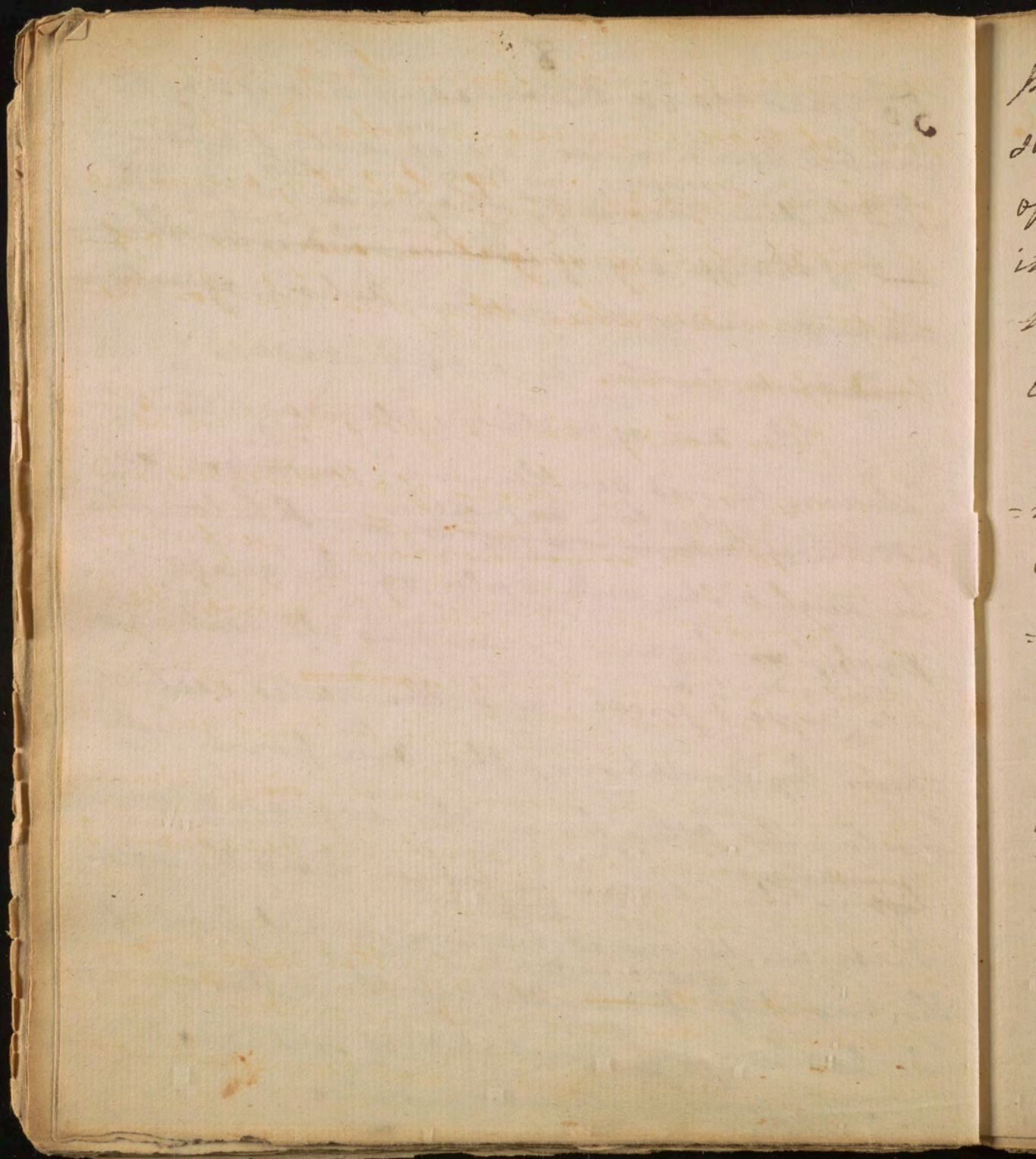
V I am aware that the detection and  
rejection of Dr Cullen theories



50 years ago to Dr Boerhaave's theories of the morbid Acrimonies, <sup>now</sup> are equally stationary in Dr Cullen's theories of <sup>erroneous</sup> ~~as they were called~~ <sup>of</sup> ~~Spasms & parafaction,~~ <sup>the healing powers of</sup> and of the efficacy of ~~sedative medicines~~ <sup>of</sup> nature, and of the sedative action of certain medicines in the Cure of Diseases. ✓

In one of Moliere's plays entitled the "Citizen turned gentleman". <sup>the</sup> ~~An illustration to~~ <sup>applies to a</sup> ~~citizen~~ <sup>professor</sup> ~~of~~ <sup>of Rhetoric to</sup> ~~be taught the principles of language.~~ The professor began by dividing all writings <sup>two kinds, viz</sup> into verse & prose, and illustrated each of them by quotations, - the one from the poets - the other, from the language of common <sup>conversation</sup> ~~life~~. - The citizen no sooner heard the latter, than he discovered <sup>that</sup> he was in possession of the knowledge <sup>of it</sup>, & exulted in the reflection that he had been in the habit of speaking & writing prose without knowing it in every







part of his life. The same thing may be  
said of those physicians who are the enemies  
of theory. They are in the habit of exercising  
it without knowing it, in every act of  
their minds, when they prescribe for the  
cure of diseases. —

~~It is no objection to theory that we cannot  
explain the causes of all diseases, and  
of course that as yet we have a perfect sys=  
tem of medicine. The same thing may be  
said of all other sciences, and the science  
of navigation is still imperfect, and yet we  
do not upon that account reject all the advantages  
we derive from the magnet, the quadrant, &  
from lunar observations.~~

It has been remarked that ~~had~~ more  
discussions have been made in medicine within  
the last 40 years, than had been made for



0

practitioners of medicine  
and the ~~phlogisticians~~ <sup>relies</sup> who ~~practice~~ upon  
them exclusively, without combining them  
~~into~~ with theory ~~and~~ in the treatment of diseases,  
is more a science than a collection of  
bricks in a brickyard, - is a house, ~~the~~  
The man who practices medicine, without ~~no~~  
other resources than <sup>volumes of unconnected</sup> ~~a large~~ of facts in his ~~brain~~  
memory, is no more a physician, than the  
day labourer who carries the load, is a master  
builder. ~~medicine~~



centuries before. The reason of this is ~~theory~~  
~~was added to~~ there has been more theory intro-  
 -duced into our science within that period  
 than formerly, ~~and that too~~ by means  
 of which ~~many~~ <sup>important</sup> facts have been brought  
 to light and such as were <sup>detected</sup> ~~admitted to be~~  
 erroneous, have been <sup>from the practice of physic.</sup> ~~rejected from medicine~~.

~~It is no more an~~ <sup>Medicine</sup> ~~Art~~

The ~~practice of physic~~ <sup>Medicine</sup> when founded  
<sup>only upon</sup> ~~only upon~~ facts, is no <sup>Medicine</sup> ~~fact~~, & ~~the~~ <sup>it</sup> becomes  
 a science only when ~~it is~~ facts are combined  
 with theory, & that man ~~who~~ only is a  
 physician who prescribes under the influ-  
 -ence of facts & ~~theory~~ <sup>theory</sup> them both. A system  
 of religion of some kind has always been  
 found necessary to promote good morals, so  
 a system of some kind has always been  
 found equally necessary to promote regular



✓ In like manner gent. I have resolved  
to follow reason, or to theorise in medicine  
as long as it shall please God to continue  
~~to the last moments of my life~~

to me the exercise of the reasoning  
faculties of my mind. I am the more  
encouraged to adhere to this resolution

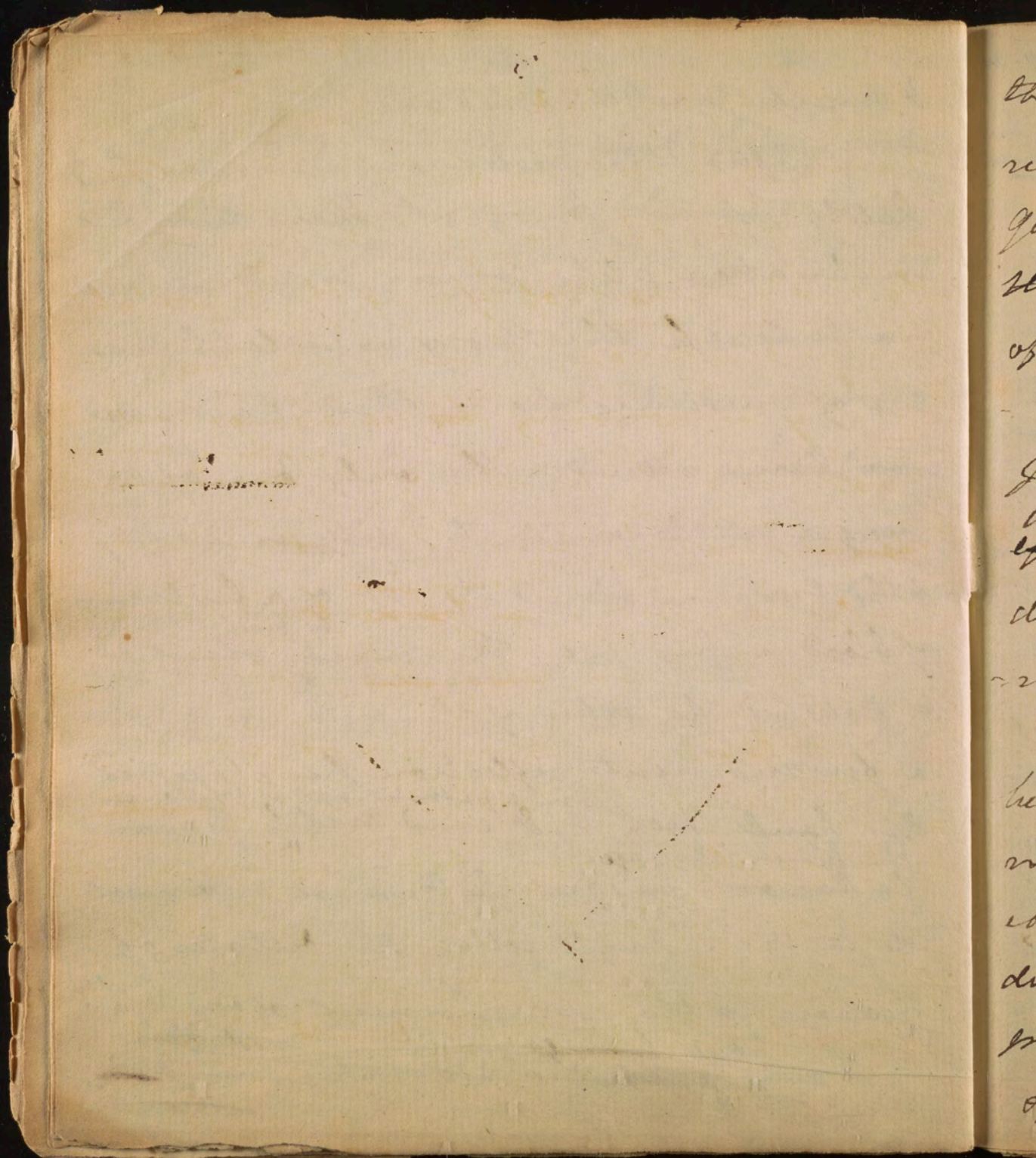
for by ~~say~~ the Advantages I have derived  
from reasoning in medicine, for if I have  
at any time helped the mortality of a  
single disease, I declare thus publicly,



& successful practice in medicine.

After these preliminary remarks I had  
boldly inform you gent: than duty &  
inclination alike concur, to determine  
me to teach the theory as well the prac-  
tice of medicine from this chair. ~~But~~  
~~also~~ I once attended the only son of a  
foreign gentleman in this city in a drop-  
sy of the brain. I advised the loss of a few ounces  
of blood in his case. The remedy, <sup>at first</sup> startled,  
& distressed the father of the Child, but after  
a few moments reflection he clasped  
his hands together, & cried out <sup>in a pathetic tone of voice in</sup> "I surrais  
the French language.  
la Raison - jusque la Dernière moment  
de la Vie". "I will follow the dictates of  
reason to the last moment of my life."  
~~I have long ago~~ <sup>resolution</sup> ~~was disposed to adopt the same~~ <sup>ration in</sup>







~~the science of medicine, nor have I had~~  
~~reason to regret it, for if it has pleased~~  
~~God in a single instance to have made me~~  
~~the instrument of lifting the mortality~~  
~~of any one disease, I was declare thus pub-~~  
~~licly in honor of the reasoning in medicine~~  
~~I was led to the discovery of the <sup>means of curing it</sup> ~~remedies which~~~~  
~~doing so <sup>it</sup> ~~effected~~ not by accident, - not by precedents~~  
~~derived from books, <sup>not by ~~my~~ ~~former~~</sup> ~~former~~ exper-~~  
~~ience, but <sup>by</sup> ~~my~~ <sup>a new ~~theory~~</sup> ~~theory~~ reasoning in medicine.~~

~~It has~~ My lot in my ~~to~~ science has  
~~been a difficult & laborious one. I have studied~~  
~~medicine three times - that is - I have - I was~~  
~~educated a Boerhaavian, in Edin<sup>g</sup> I became a~~  
~~disciple of D. Cullen. soon after I began to~~  
~~practise physic, I found ~~Dr Cullen~~ the system~~  
~~of my illustrious master did not accord~~



These circumstances are the most consoling, as  
~~to the~~ <sup>my</sup> ~~new~~ ~~principles~~ are not only  
opposed to a ~~great deal~~ great strength of prejudice, but  
~~the~~ <sup>any</sup> ~~new~~ modes of practice - to the feelings <sup>of sick people.</sup> ~~of the people.~~

✓ They not been led by <sup>me</sup> ~~many~~ ~~years~~ <sup>many</sup> others  
I ~~not~~ ~~found~~ ~~them~~ ~~to~~ ~~a~~ ~~more~~ ~~more~~  
✓ I have ~~one~~ ~~more~~ ~~reasons~~ ~~for~~ ~~believing~~  
Successful practice in common dis-  
eases, & to the cure of some diseases  
once deemed incurable, by them. <sup>But</sup> I have  
<sup>two</sup> ~~other~~ ~~more~~ ~~reasons~~ ~~for~~ ~~believing~~ ~~them~~ ~~to~~  
be true, <sup>that</sup> ~~that~~ ~~is~~ ~~they~~ ~~have~~ ~~generally~~  
<sup>been in the habit</sup> ~~adopted~~ I have ~~recd~~ <sup>graduated</sup> for many years past  
of receiving ~~letters~~ <sup>letters</sup> from the former students of our Univer-  
sity from all the different states <sup>in the Union,</sup> in which they  
have ~~be~~ informed that they ~~had~~ <sup>had</sup> found  
the ~~new~~ modes of practice I had taught them, as  
successful in their hands, as they had been in my  
own. <sup>by</sup> I have Those modes of practice have  
been adopted ~~as~~ <sup>with</sup> ~~much~~ <sup>success</sup> by those



with the phenomena of disease. Attracted by  
 an ardent desire to ~~be~~ save the lives of my  
 patients, more than any ~~other~~ thing else, I  
 soon ventured to depart from the principles  
 of my master, & read, & ~~observed~~ thought for myself.  
~~Since~~ <sup>painful</sup> the result of my inquiries is well known  
 to you all. For a while I ~~thought~~ <sup>was</sup> that  
 with doubt of ~~this~~ <sup>the</sup> truth, & spoke of them  
 with diffidence. Nor should I have presumed  
 to ~~have~~ at this day have presumed to have  
 acknowledged my <sup>belief & confidence</sup> ~~confidence~~ in them had  
~~they not been the~~ <sup>the result of practice to</sup> ~~change the~~ <sup>which</sup>  
 they first became, ~~been~~ adopted by those  
 gentlemen who for many years pub-  
 -lickly & privately opposed them. #

Be not alarmed Gent: at my determi-  
 nation to ~~back~~ <sup>blend</sup> the theory of medicine as far  
 as I am able, with my lectures upon the



V in number that you will readily re-  
tain them. Such of you as have brought  
to this University <sup>Dr Brown or</sup>  
~~with you~~ the theories of Dr Cullen, ~~or Dr Brown,~~  
will be great losers by exchanging them for  
mine, for I will <sup>give</sup> ~~give~~ you but one where  
~~Dr Brown has given you two, & where Dr Cullen has~~  
~~they~~ <sup>have</sup> ~~given you twenty, & of course neither~~  
gent. let your fears be excited, lest I should  
not mingle facts with my theories; so far  
from it, I will venture to promise you that  
I shall deliver at least 1000 facts to one  
theory. Indeed my whole course of lectures will  
consist chiefly of facts. After this  
introduction, I <sup>take notice</sup> ~~proceed to state~~ that <sup>p. 101</sup>  
I am not insensible gent. of  
the clamors, & slanders that have ~~been~~ <sup>followed</sup>  
~~my attempts~~ ~~the~~ principles, & mode of



practice of physic. ~~may~~ all the theories I shall  
deliver to you will be simple, & easy of apprehen-  
sion. ~~so much so that the young~~ they will  
~~not~~ moreover be ~~numerous~~, ~~but~~ shall  
they exclude a large collection of facts. Indeed  
I will venture to promise you that I will  
deliver ~~coo~~ facts in the course of these lectures  
to one theory, nor ~~shall~~ <sup>will</sup> I deliver a single theory  
which ~~shall~~ not be supported by facts.

I have ~~but few~~ <sup>no</sup> new Remedies to offer to you  
for the cure of diseases. ~~my principles had to~~ <sup>recommended</sup>  
~~my principles~~ <sup>will lead to a</sup>  
~~which~~ <sup>shall</sup> ~~recommend to you in~~  
~~your practice~~ <sup>founded</sup> ~~will~~ <sup>more</sup> ~~in the~~ <sup>proper</sup> ~~use of old~~  
remedies ~~at different~~ <sup>than</sup> in the use of  
any new ones.

I have ~~carefully avoided~~ ~~not~~ <sup>being</sup> laying any  
claim to having taught in this depending theory  
in medicine, & promising to teach it, I beg



Practices I have taught in this University.  
- But I am not, & shall not be discouraged  
by them. <sup>as long as</sup> ~~instruct~~ <sup>but</sup> I am able to totter  
up these stairs, & to ascend this desk I shall  
continue to teach them - because I believe  
them to be true, & know them to be useful.  
- My lot is ~~in~~ the profession of medicine ~~that~~  
~~a weak~~ ~~is not~~ I have never yet replied to  
a single ~~for~~ attack upon me. I have  
hitherto treated the public & the more  
insidious private attacks that have been  
made <sup>my principles & practice</sup> ~~upon~~ with silence, & ~~I~~ <sup>what is</sup>  
more with forgiveness, - and I shall continue  
to do so as long as I live.



Gentlemen, you would <sup>not suppose that I</sup> ~~not suppose that I~~  
lay the least claim to ~~being~~ <sup>being</sup> the Author  
of a new system of medicine. At little have  
I aspired to a mitre or a crown as to that  
honour in our science. ~~A~~ Systems of medicine  
provides a theory for every disease, & ~~from~~ <sup>has</sup>  
~~every~~ an explanation of every phenomenon  
in the Animal Economy. My principles  
had only to <sup>an explanation</sup> ~~the theory~~ of a ~~small~~ <sup>small</sup> part  
of the diseases of the human body, and a  
~~solution of~~ but a few of the laws <sup>which</sup> ~~of the~~  
govern it. But while I thus limit <sup>the</sup> ~~my~~  
extent of ~~my~~ <sup>my</sup> principles, I do not  
hesitate to declare that I believe all the laws  
of the Animal Economy, & all the causes of  
diseases admit of explanation, and that  
~~sooner or later~~ <sup>sooner or later</sup> a system will arise from the



the possibility of  
V ~~possibility~~ ~~of~~ our arriving at <sup>the</sup>  
perfection & certainty of medicine is ~~one~~  
~~if the direct means to attaining~~  
<sup>only</sup>  
to them. After this general & preliminary remarks, I  
I proceed now to make a few remarks  
upon the method of ~~finding~~ acquiring a  
knowledge of the ~~practice~~ of physic.  
I proceed to take notice,



Successive labors & contributions of different  
men, & ~~perhaps of~~ successive generations, ~~from~~  
there will be formed a complete system of  
medicine. ~~Not to believe this is to deny God,~~  
~~help to the Supreme Being, for~~ <sup>then</sup> Let the consideration  
<sup>of</sup> the present imperfect & unfinished state of  
the fabric of medicine animate you, in your  
~~studies~~ to add your labors to those of your pre-  
decessors in order to complete it. The United  
States have <sup>already added several stones</sup> ~~the~~ since  
to this building. ~~a new & strong impulse to move~~  
~~in.~~ ~~even off~~ Let it not become weakened  
your hands. Who knows but what Heaven  
has destined ~~the~~ <sup>into the</sup> capstone <sup>of it</sup> ~~of the~~ building  
to be placed upon it, by some American  
physician, - and perhaps by some of  
the gentlemen <sup>to</sup> ~~who are now~~ <sup>I have now the</sup>  
~~present~~ <sup>honor of</sup> ~~addressing.~~ <sup>always recollect that</sup> ~~the~~ a belief



